Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/06/2020 09:19 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126417	1	3.52	126395	3.55
Blue	F	SSC	125000	124698	-1	2.09	125394	2.11
Blue	E	FITC	15892	15591	-2	2.96	338	22.06
Blue	D	PE	29999	29509	-2	2.08	641	16.19
Blue	B	PerCP-Cy5-5	43732	43353	-1	3.88	1163	21.77
Blue	A	PE-Cy7	30845	30966	0	6.41	592	43.46
Red	C	APC	46112	45345	-2	2.53	1604	12.03
Red	A	APC-Cy7	30458	29475	-4	2.42	784	11.85
Violet	B	V450	7918	7666	-4	4.13	448	13.38
Violet	A	V500	32171	30957	-4	3.91	730	10.53

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16580	18.27	657	36	N/A	N/A	Pass
Blue	F	SSC	57601	1.52	586	27	N/A	N/A	Pass
Blue	E	FITC	61	67.39	555	12	0.0157	92	Pass
Blue	D	PE	134	52.51	561	13	0.1225	213	Pass
Blue	B	PerCP-Cy5-5	215	52.95	668	12	0.0079	53	Pass
Blue	A	PE-Cy7	110	108.85	714	16	0.0096	21	Pass
Red	C	APC	384	25.55	590	6	0.0254	217	Pass
Red	A	APC-Cy7	173	29.25	559	3	0.0058	1409	Pass
Violet	B	V450	67	57.02	461	3	0.0380	1302	Pass
Violet	A	V500	108	31.06	476	2	0.0206	285	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.37	-32.27	1.04
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.40
Red	16.75	13.60 - 20.40	N/A	N/A	28.99	30.05	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 10269

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments